VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please amend claims 1-20 as follows:

- (Amended) An [#]electro-mechanical drive device for an 1. adjustment device(s) of a motor vehicle, [more particularly for a window litter, which has]comprising:
- a gearing with a gear housing (A2, A2, B2, C2, D2, E2, -D2'')];

an electric motor ((A1, D1, D1')) mechanically connected to the gearing;

a control device [(A5, A5', B5, C5, D5', D5'', E5)] mounted in the gearing housing [(AR, A2', B2, C2, D2', D2')] and having at least one power semi-conductor for controlling the electric motor $[\frac{(\Lambda 1, C1, D1, D1^{-1})}{(\Lambda 1, C1, D1, D1^{-1})}]$; and

means (-(A9, A9', B9, C9, D9', D9', D9', E9) thermally coupled to the at least one power semi-conductor as a heat sink for drawing off waste heat from the at least one power semi-conductor, wherein the means [A9, A9', B9, C9, D9', D9'', E9)] is [8re] integrated in the goar housing $\{(h2, h2', B2, C2, D2', D2', D2')\}$.

- (Amended) An [#]electro-mechanical drive device according to claim 1, [characterised in that] wherein for the purpose of coupling, the means [((A9, A9', B9, C9, D9', D9'', E9)] and a power semi-conductor housing (Ab, Ab', Bb, Cb, Db'', Eb) are fixed with force-locking engagement against one another in order to reduce a heat transfer resistance.
- (Amended) An [E]electro-mechanical drive device according to claim 2, (characterised in that) wherein for the force-locking engagement, [connection] the means [(A9, A9', B9, C9, D9', D9'', E9) is [are] spring-tensioned through a spring element against the power semi-conductor housing [(A5, A5', B5, C5, B5'', E5)].

- 4. (Twice Amended) An [E]electro-mechanical drive device according to claim 1, [characterised in that] wherein a heat conducting means is mounted for thermal coupling between the means [(A9, A9+, B9, C9, D9', D9'', E9) and a power semi-conductor housing [+A5, A5', B5, C5, D5', D5'', R5)
- 5. (Twice Amended) An (E)electro-mechanical drive device according to claim 1, [characterised in that] wherein the gear housing [(A2, A2', B2, C2)] has an opening for inscrting the means [(A9, A9', B9, C9)] and guide elements for positioning the means [(A9, A9', B9, CO)] in an end position, and (that) the [inscrted] means ((A9, A9+, 89, C9) is [in particular] lockable in the end position.
- 6. (Twice Amended) An [6]electro-mechanical drive device according to claim 1, [characterized in that] wherein the means [(C9, D9; D9'', D9'', E9)| [are] is injection moulded at least in part in an injection moulded plastics housing [(C2, D2, D2', D2'')] of the gearing.
- 7. (Twice Amended) An [#]@lectro-mechanical drive device according to claim 1, [characterised in that] wherein the gear housing has supporting parts, the means [(C9, D9, D9', E9)] is [are] hermetically sealed in the gear housing ((C2, D2, D2')) against fluids and dust particles, and [that] the means [(09, 09, 09', E9)] is [are] positioned against a wall ((C92, D92, D92')) of the gear housing ((C2, $\frac{D2}{D2}$, $\frac{D2}{D2}$ wherein the wall ($\frac{(C92, D92, D92)}{D92}$) is thinner than the supporting parts of the gear housing ((C2, D2, D2)) in order to have a lower heat transfer resistance].
- (Twice Amended) An [E]electro-mechanical drive device according to claim 1, [characterised in that] wherein the means [1697] D9, D9', D9'', E9)] [have]acts as a heat conductor [(C9, D9, D9),

(a further coupling) with a cooling element to discharge the waste heat diverted away from the at least one power semi-conductor to the cooling element, and [that] the cooling element is [in particular] a support plate on which the gear housing [(C2, D2, $\frac{D2', D2''}{}$] is fixed.

- 9. (Amended) An [E]elect, ro-mechanical drive device according to claim 8, (characterised by) further comprising a mechanical connection between the heat conductor [(C9, D9, D9', D9'', E9)] and the gear housing [(C2, D2, D2', D2)], and [by] a fastening element [(C90, D90, D90', D90'', E90)] integrated in the heat conductor [(C9, D9, D9', D9'', E9)] for fixing the gear housing ((C2, D2', D2'')) on the cooling element.
- 10. (Twice Amended) An [#]electro-mechanical drive device according to claim 1, [characterised in that] wherein a bearing $\left(\frac{(E9115)}{E9115}\right)$ for a gear element $\left(\frac{(E115)}{E9115}\right)$ of the gearing is integrated in the means [-(E9)].
- (Amended) An [R]electro-mechanical drive device according to claim 10, (characterised in that) wherein the means ((R9)) [have] has positioning elements for positioning the control device [482] relative to at least one of the gear element ((E115) or to) and a magnet $[\frac{(E155)}{}]$ fixed on the gear element $[\frac{(E115)}{}]$.
- 12. (Twice Amended) An [E]electro-mechanical drive device according to claim 1, (characterised in that) wherein the means is a cooling lid, an opening $[\frac{(A25)}{B2}]$ of the gear housing $[\frac{(A2, A2', B2)}{B2}]$ is closed by [a] the cooling lid [A9, A9', B9] as means (A9, A9', $\frac{1}{1}$ and [that] the cooling lid ($\frac{1}{1}$) has (in particular) cooling ribs.

- 13. (Amended) An [E]electro-mechanical drive device according to claim 12, wherein the opening is sealed by a material connection, comprising one of ultra sound welding of the cooling lid (A9, A9), 119)] to an edge of the opening [(A25) or], and sticking of the cooling lid [(A9, A9+, B9) to an edge of the opening [(A25)] through an adhesive between the cooling lid [(A9, A9', B9)] and an edge of the opening [-(-)
- 14. (Twice Amended) An [#]electro-mechanical drive device according to claim 1, [characterised in that] wherein conductor panels which are insulated from each other are arranged on the means [4A9, A9', B9, C9, D9', D9', E9) to connect at least one structural element[s] and at least one interface [s] of the control device [th5, $A5^{+}, B5, C5, D5^{+}, D5^{+}, E5)$].
- (Amended) An [+]electro-mechanical drive device according to claim 14, [characterised in that | wherein the conductor panels have contact elements which can be contacted during fitting of the means! (A9, A9', B9, C9, D9, B9', B9', B9')
- (Amended) A [M]method for manufacturing an electromechanical drive device for adjustment devices of a motor vehicle, [more particularly for a window lifter, which has] wherein the drive device includes in the assembled state:
- a gearing in a gear housing; (A2, A2', B2, D2', D2', D2')) an electric motor [{Al, bl, bl''}] mechanically connected to the gearing<u>:</u>
- a control device ((A5, A5', B5, D5', D5'', E5)) with a power $\frac{\partial 2^{(1)}}{\partial x}$ and controlling the electric motor $\{(A1, D1, D1^{(1)})\}_{i=1}^{n}$ and

[has] a means [tA9; A9+, B9; D9, D9+, D9+, E9)] integrated in

the gear housing (\(\frac{A2, A2', B2, D2, D2', D2', B2''\)\) as \(\alpha\) heat sink \(\begin{align*}\) wherein the power semi-conductor is\), the method comprising:

thermally [coupled] coupling the power semi-conductor to the means [(A9, A9', B9, D9', D9'', E9)] as <u>a</u> heat sink [at the same time as]; and

simultaneously at least one of mounting the means [(A9, A9', B9, D9', D9'', E9)] as <u>a</u> heat sink [(ar as)] and fitting the control device [(A5, A5', B5, D5', D5'', E5)].

- 17. (Amended) The [M]method according to claim 16,[
 characterised in that for the purpose of coupling) wherein the means
 is a heat conducting means [(C9, D9'', E9)] and is fixed as heat sink
 with the gear housing [(C2, D2'', E2)] on a support plate, and
 [wherein] the heat conducting means ((C9, D9'', E9)) is pressed
 against the housing of the power semi-conductor of the control device
 [(C5, D5'', E5)] through [the] a fastening.
- 18. (Amended) The [M]method according to claim 16, [tharacterised in that] wherein the means [(B9)] is moved from a first mechanically stable state without thermal coupling to the power semiconductor into a second mechanically stable state for coupling in order to thermally couple the means [(B9)] through contact in the second mechanically stable state with the housing [(B5)) of the power semi-conductor.
- 19. (Amended) The [M]method according to claim 16, [characterised in that] wherein the means is [as means] a cooling lid [(A9, A9')] and is welded by ultrasound into an opening [(A95)] of the gear housing [(A2, A2') up] to contact with the housing [(A91)] of the power semi-conductor.

20. (Amended) Λ [Use of a] hermetically scaled gear housing [(D2, D2', D2'')] of an electro-mechanical drive device of an adjustment device for motor vehicles [, more particularly for window lifters, | for diverting waste heat from a power semi-conductor which is integrated in a control device [+B5', B5'', E5)] in the gear housing [(D2, D2', D2'')] wherein at least a part of the gear housing [(D2, D2', D2'')] is thermally coupled to the power semi-conductor to draw off the waste heat.

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